

Converting Colors

XYZ(45.1535, 28.1084, 6.2517)

Have a look what the booklet for
XYZ(45.1535, 28.1084, 6.2517)
contains.

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Color

**XYZ(45.1876, 28.1635,
6.3033)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5634
RGB	255, 86, 52
RGB Percent	100%, 34%, 20%
CMY	0.0000, 0.6627, 0.7961
CMYK	0.00, 0.66, 0.80, 0.00
HSL	10°, 100%, 60%
HSV	10°, 80%, 100%
XYZ	45.1876, 28.1635, 6.3033
YIQ	132.6550, 111.6380, 25.2540

Conversions

Conversions Part 2

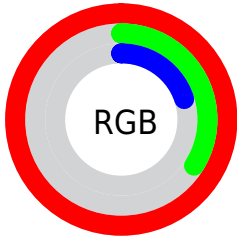
Format	Color
R_{YB}	255, 93, 52
Decimal	16733748
CIE _{Lab}	60.04, 62.50, 53.73
CIE _{LCh}	60, 82.417, 40.685
Yxy	28.1635, 0.5673, 0.3536
Android (android.graphics.Color)	4294923828 (0xFFFF5634)
YUV	132.6550, -39.7629, 107.2966
Hunter-Lab	53.0693, 59.1184, 30.1063

Details

The XYZ color **45.1876, 28.1635, 6.3033** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **45.3198, 59.6574, 103.7334**, and the grayscale version is **22.2819, 23.4423, 25.5286**.

A 20% lighter version of the original color is **53.4114, 41.8445, 17.5736**, and **21.4115, 11.2910, 1.0796** is the 20% darker color. If you saturate the color by 10%, you get **43.3097, 25.0925, 3.5676**, and if you desaturate by 10%, it is **47.8796, 32.3681, 10.8385**.

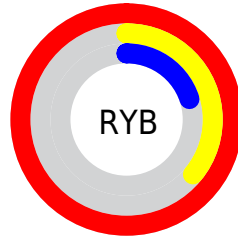
Distribution



Red (100%)

Green (34%)

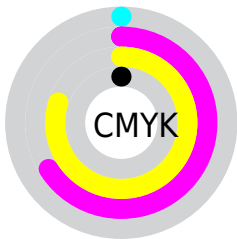
Blue (20%)



Red (100%)

Yellow (36%)

Blue (20%)

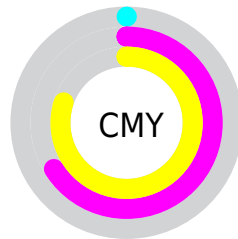


Cyan (0%)

Magenta (66%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1876, 28.1635, 6.3033 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.1876, 28.1635, 6.3033 by changing the saturation by 10% instead.


 45.1876, 28.1635,
6.3033


 45.1876, 28.1635,
6.3033


358.3037,
293.2474, 171.1473

 31.8071, 18.4489,
2.9586


 82.2372, 56.7454,
19.0457

 21.3691, 11.2728,
1.0735


 106.6370, 76.3815,
29.2804

 13.5080, 6.2506,
0.0000


 135.4407,
100.0936, 42.6490

 7.8587, 2.9981,
0.0000

 169.0135,
128.2660, 59.5699

 4.0557, 1.1307,
0.0000

 207.7209,
161.2832, 80.4616

 1.7337, 0.0040,
0.0000

 251.9281,

 0.4772, 0.0000,

199.5296, 105.7427

0.0000

302.0006,
243.3895, 135.8317

■ 0.0000, 0.0000,
0.0000

■ 45.1876, 28.1635,
6.3033

■ 45.1876, 28.1635,
6.3033

■ 43.3097, 25.0925,
3.5676

■ 47.8796, 32.3681,
10.8385

■ 42.1294, 23.0305,
2.2536

■ 51.4681, 37.7995,
17.4157

■ 42.0935, 22.9674,
2.2146

■ 56.0267, 44.5469,
26.2410

■ 61.6207, 52.6894,
37.4947

■ 68.3097, 62.2999,
51.3388

■ 76.1486, 73.4463,
67.9214

■ 85.1885, 86.1921,
87.3791

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.9203, 28.1635, 21.1431



45.1876, 28.1635, 6.3033



34.0189, 28.1635, 2.0630

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.1876, 28.1635, 6.3033



11.8757, 28.1635, 15.2380



30.6903, 28.1635, 129.8365

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.1876, 28.1635, 6.3033



45.3198, 59.6574, 103.7334

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.6294, 28.1635, 124.0307



45.1876, 28.1635, 6.3033



11.4241, 28.1635, 42.6875

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1876, 28.1635, 6.3033



15.6440, 28.1635, 4.3939



14.1897, 28.1635, 85.9313



42.2095, 28.1635, 98.7511

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1876, 28.1635, 6.3033



26.5277, 28.1635, 1.5707



14.1897, 28.1635, 85.9313



27.0109, 28.1635, 132.4679

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.1882, 28.1652, 6.3037



72.5607, 68.3571, 60.2911



55.5410, 28.9453, 71.1824



14.9438, 13.7953, 11.6656



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1882, 28.1652, 6.3037



42.4890, 23.6687, 2.6220



59.7006, 57.1900, 11.1412



18.2552, 18.4786, 18.7489



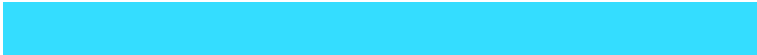
22.0664, 12.1441, 1.1810



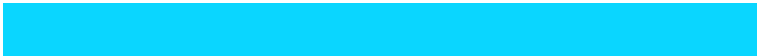
2.2142, 1.3137, 0.1369

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.3198, 59.6574, 103.7334



42.2209, 55.3723, 103.0704



26.1427, 21.3031, 97.3410



18.2806, 19.9328, 23.1339



21.8655, 28.6406, 53.8103



2.1946, 2.9199, 5.2612

Previews

White Background



This preview shows how the XYZ color 45.1876, 28.1635, 6.3033 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.1876, 28.1635, 6.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1876, 28.1635, 6.3033

Background



This preview shows how black text looks on a background with the XYZ color 45.1876, 28.1635, 6.3033.



This preview shows how white text looks on a background with the XYZ color 45.1876, 28.1635,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.1876, 28.1635, 6.3033

Protanopia

25.8975, 28.2575, 9.7195

Deuteranopia

28.7138, 28.2556, 5.6908



Tritanopia

46.0536, 28.1346, 12.0201

Trichromacy



Original Color

45.1876, 28.1635, 6.3033

Protanomaly

30.6105, 26.3763, 8.1804

Deuteranomaly

33.3092, 26.9161, 5.6302

Tritanomaly

45.6464, 28.0951, 9.4956

Monochromacy



Original Color

45.1876, 28.1635, 6.3033

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

26.8755, 22.8374, 16.0883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1876, 28.1635, 6.3033 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 86, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 86, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 52) }
```

Border

The CSS property to change the border of an element to XYZ 45.1876, 28.1635, 6.3033 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 86, 52) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 86, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 86, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1876, 28.1635, 6.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 86,  
52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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